RTCA Special Committee 186, Working Group 5

ADS-B UAT MOPS

Meeting #12

Draft #1 of Proposed Appendix N: Setup Files for Test Procedures for Review in Washington

Presented by Tom Pagano and Gary Furr

SUMMARY
This is Draft #1 of Proposed Appendix N of the UAT MOPS for review at the meeting in Washington DC.

Appendix N

Setup Files for Test Procedures

This page intentionally left blank.

Some Test Procedures in this document require set up of Vector Signal Analyzers, Signal Generators and/or the insertion of UAT Messages with exact strings of data input engineered to verify that a particular UAT System is compliant with the requirement stated in the respective requirements section of this document. In an effort to ensure that the input of data, or the set up of a particular piece of test hardware is consistent across multiple vendors of UAT Equipment, we are providing the following set of files on the ADS-B/UAT MOPS web site for UAT Equipment vendors to download and use in their testing efforts.

The ADS-B/UAT MOPS web site is located at: **http://adsb.tc.faa.gov/ADS-B/186-subf.htm**

Table N-1: Files Associated with Test Procedures

Filename	Test Procedure Subparagraph	File Description
UAT-DMD.STA	2.4.2.1	A state file used to configure the Agilent HP89441A Vector Signal Analyzer into the "Digital Demodulation" mode.
UAT-DMD.STA	2.4.2.3	A state file used to configure the Agilent HP89441A Vector Signal Analyzer into the "Digital Demodulation" mode.
UAT-DMD.STA	2.4.2.4	A state file used to configure the Agilent HP89441A Vector Signal Analyzer into the "Digital Demodulation" mode.
XT_ENC_BASIC.TXT	2.4.3.1.3.1	A file that contains Basic ADS-B UAT Messages and its associated FEC Parity sequence as tabulated in Table 2.4.3.1.3.1A. The data is written in HEX format.
XT_ENC_LONG.TXT	2.4.3.1.3.1	A file that contains Long ADS-B UAT Messages and its associated FEC Parity sequence as tabulated in Table 2.4.3.1.3.1B. The data is written in HEX format.
UAT-VECT.STA	2.4.8.2.3	A state file used to configure the Agilent HP89441A Vector Signal Analyzer into the "Vector" mode.
UAT-VECT.STA	2.4.8.2.4	A state file used to configure the Agilent HP89441A Vector Signal Analyzer into the "Vector" mode.
RX_DEC_BURST.DOC	2.4.8.3.1.1	Tables that contain erroneous ADS-B UAT Messages (all 384 bits long), status, decoded Message Type, RS decoded ADS-B UAT Message Payload sequence as tabulated in Table 2.4.8.3.1.1A. The data is written in HEX format.
RX_DEC_BRAND.DOC	2.4.8.3.1.1	Tables that contain erroneous ADS-B UAT Messages (all 384 bits long), status, decoded Message Type, RS decoded ADS-B UAT Message Payload sequence as tabulated in Table 2.4.8.3.1.1B. The data is written in HEX format.
RX_DEC_GROUND.DOC	2.4.8.3.1.2	Tables that contain de-interleaved six constitutent erroneous RS blocks (736 bits long) for each of nine Ground Uplink Messages, status, decoded RS block and Ground Uplink Message status, as tabulated in Table 2.4.8.1.2A through Table 2.4.8.3.1.2J. The data is written in HEX format.

This page intentionally left blank.